

## Oral Agents for Type 2 Diabetes

Drug Class	Generic Name	Trade Name	When to take	Usual Dosage	Max. Dosage	Peak	Duration	Side Effects
Alpha-Glucosidase	<b>Slows down carbohydrate absorption in intestines</b>							
	Acarbose	Precose	With first bite of food	25mg 3 X day	100 mg 3 X day	1 hr.	2-4 hr.	Abd. Pain Diarrhea Flatulence
	Miglitol	Glyset	With first bite of food	25 mg 3 X day	100 mg 3 X day	2-3 hr.	Unknown	Same as above
Biguanides	<b>Decreases hepatic glucose production</b>							
	Metformin	Glucophage	With Meals	500 mg 3 X day	850 mg 3 X day	UNK	Unknown	Diarrhea Nausea/vomiting Metallic Taste in Mouth
	Meformin (long acting)	Glucophage XR	With Meal	500 mg daily	2000 mg daily	UNK	Unknown	Same as Above
Meglitinides	<b>Stimulates insulin release from pancreas</b>							
	Nateglinide	Starlix	10 min. before meals	120 mg 3 X day	None given	1-2 hr.	4 hrs.	Gastric Upset Rash Upper Resp. Inf.
Sulfonylureas	<b>Stimulates insulin release from pancreas</b>							
	Repaglinide	Prandin	30 mins. Before meals	0.5 mg 2-4 X daily	4 mg 2-4 X daily	1 hr.	Unknown	Ischemia
	Acetohexamide	NONE listed	Before meals	250 mg daily	1500 mg daily	3 hr.	12-24 hr.	Ischemia
	Chlorpropamide	Diabinese	With Breakfast	250 mg daily	750 mg daily	2-4 hr.	24 hr.	Leukopenia
	Glimepiride	Amaryl	With first Meal	1-2 mg daily	8 mg daily	2-3 hr.	> 24hr.	Same as Above
	Glipizide	Glucotrol	Before Breakfast	5 mg daily	15 mg daily	1-3 hr.	4 hr.	Same as Above

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<b>Sulfonylureas - continued</b>	Glipizide (long acting)	Glucotrol XL	Before Breakfast	5 mg daily	20 mg daily	6-12 hr.	24 hr.	Same as Above
	Glyburide	DiaBeta, Micronase	With Breakfast	1.25 mg daily	20 mg daily	4 hr.	24 hr.	Same as Above
	Glyburide (micronized)	Glynase Pres Tab	With Breakfast	0.75 mg daily	12 mg daily	4 hr.	24 hr.	Same as Above
	Tolazamide	Tolinase	With Breakfast	100 mg daily	1000 mg daily	4-6 hr.	14-16 hr.	Same as Above
	Tolbutamide	Orinase	Take in Morning	1 gram daily	3 grams daily	1 hr.	5-8 hr.	Same as Above
<b>Thiazolidinediones (TZDs)</b>	<b>Improves peripheral insulin sensitivity</b>							
	Pioglitazone	Actos	Once Daily	15 mg daily	30 mg daily	2 hr.	Unknown	Headache Edema Anorexia
	Rosiglitazone	Avandia	Take in Morning	4 mg daily	8 mg daily	1 hr.	Unknown	Same as Above
<b>Combination Pills</b>								
	Metformin + Glyburide	Glucovance	With Meals	1.25/250 mg. daily	20/2000 mg daily	2 weeks	Unknown	Headache Dizziness
	Metformin + rosiglitazone	Avandamet	With Meals	1/500 mg daily	8/2000 mg daily	1 hr.	Unknown	Headache Diarrhea
	Metformin + Glipizide	Metaglip	With Meals	2.5/250 mg daily	5/500 mg daily	UNK	Unknown	Headache Diarrhea Hypertension Dizziness N & V

Adapted from: *Diabetes Forecast*, 2004 Resource Guide, Volume 57, Number 1, Page RG 13.